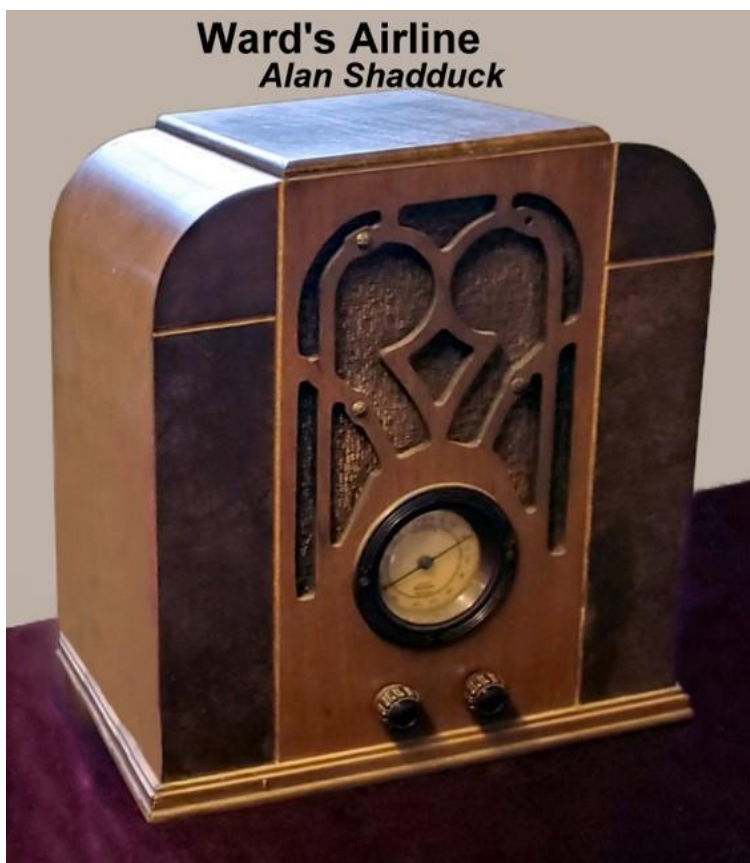


The

Call Letter

March 2020

Vol 46, #3



Alan Shadduck's 1934 Airline Tombstone

Northwest Vintage Radio Society

Post Office Box 82379
Portland, Oregon 97282-0379

The Northwest Vintage Radio Society is a non-profit historical society incorporated in the State of Oregon. Since 1974 the Society has been dedicated to the preservation and enjoyment of "Vintage Radio" and wireless equipment.

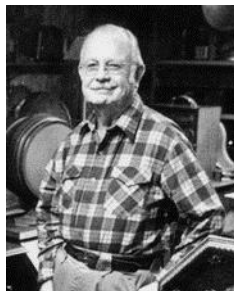
Membership in the Society is open to all who are actively interested in historic preservation. The dues are \$25.00 for domestic membership, due on January 1st of each year (prorated quarterly).

The Call Letter has been a monthly publication since 1974. It was originated with the founder, Bob Bilbie, and our first president, Harley Perkins. Through several editors and with the assistance of numerous society members, the Call Letter has continued to be a publication that informs members of the society's business and that supports the hobby of collecting, preserving, and restoring vintage radios.

Society meetings are held the second Saturday of each month at the Abernethy Grange Hall at 15745 S. Harley Ave. in Oregon City, Oregon. They convene at or about 9:30 AM for the purpose of displaying radios, conducting Society business, and exchanging information. Guests are welcome at all Society meetings and functions (except board meetings).

Other Society functions include guest speakers, auctions, radio shows, and radio sales which are advertised in the Call Letter and are held in and around Portland.

With each issue of the Call Letter, we remember Jim Mason, a charter member of the society who remained active until his death in 1999. A generous bequest from Jim's estate ensures the vitality of the Northwest Vintage Radio Society, and continued publication of the Call Letter.



Society Officers

President	Pat Kagi 360 909-7009	patkagi@yahoo.com
Vice President	Franklin Ouchida	crazykeychains@gmail.com
Treasurer	Ed Tompkins (360) 573-3895	edtomp@Q.com
Recording Sec'y	Liles Garcia (503) 649-9288	landn2@frontier.com
Corresponding Sec'y	Mark Moore (503) 286-5224	mark@pdxhistory.com
Board member at large	Mike McCrow (503) 730-4639	soundmikey14@gmail.com
Librarian	Jeff LaDoe (503) 408-4446	flat4pdx@gmail.com
Call Letter Editor	Don Hanson (503) 630-2720	vanguard4@lycos.com

On the Cover

Alan Shadduck's 1934 Airline Tombstone (Photo by Sonny Clutter)
- from the February Monthly Feature

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Announcements

March 2020 meeting - will start at 9:30 AM on Saturday, March 14

March Monthly Feature - Radios with an "A" in their name

March Tech Talk - Mel Sutton on Ham Radios "Broadcast"

March Tube of the Month Ballast Tubes - Mike and Damon

Leads and Needs - The Swap Shop has returned to the Call Letter.

Member ads are free and can either be permanent or temporary.

Editor's Note - Please have March Call Letter contributions in by Sunday, March 29. Articles & Ads welcome. (Tube labels too).

Visit our web site at:

www.nwvrs.com

Find us on Facebook:

www.facebook.com/nwvrs

President's Message for March 2020:

Please pay your 2020 dues as we hate to keep pestering you.

We are also looking for repair technicians in Portland that can offer to repair vintage radios for the public at the Portland Repair Clinics. This is a great outreach for the NWVRS society.

And we are looking for members to go to the entertaining live radio shows sponsored by Tesla and Fake Radio productions. Attendance is free if you maintain the NWVRS table. - Thanks, Pat

Vice President's Message for March 2020:

Members Needed for 2020 Committees: Contact Franklin

Feature of the Month: "B" Subject

Tech Talk: "Broadcast" Ham radios By Mel Sutton

Tube of the month: Ballast tubes

It's just some thoughts. - Franklin Terry Ouchida

NWVRS Meeting Minutes – February 8, 2020

President Pat Kagi called the meeting to order at 9:30 AM. All present pledged allegiance to our nation's flag. Two guests attended our meeting today - welcome to both!!

Old Business - we now have searchable Call Letters on line.

New Business - Members are welcome to attend the Tesla Radio Shows. Check for dates and times. Dick Howard will have an open house at his home after our meeting today. Members are welcome to come by and see his radio collection.

Robbie Robinson announced that our next Swap Meet will be in Aurora on the second Saturday in April which is April 11. Our Swap Meet will be in the American Legion Hall. Upstairs tables are \$15.00; and downstairs tables will be \$10.00. Contact Robbie for any questions and/or additional information. Don Hanson could use more technical articles to publish in our Call Letters. The Program Topic for today is "Radios that have an 'A' in their name". Members showed and discussed the radios that they brought. Sid Saul gave a Tech Talk on Loop Antennas.

The Program Topic for next month will be "Radios with a 'B' in their name. The "Tube of the Month" will be Ballast Tubes. The meeting was adjourned. - Recorded by Secretary Liles Garcia.

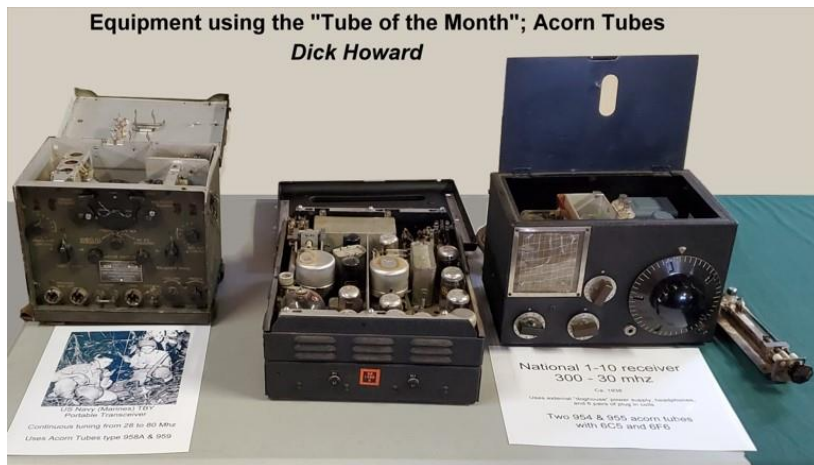
Calendar of Events

- March, 21 2020. (Tentative Date) MicroHams Digital Conference. Redmond, WA. <https://www.microhams.com>.
- **April 11, 2020. NWVRS Spring Swap Meet. VFW Post #6057, 21510 Main St. NE, Aurora, OR.** <http://nwvrs.org/Events/events.html>
- April 18, 2020. Yakima Hamfest. Yakima, Washington. <http://yakimaamateurradioclub.com/yakima-hamfest/>
- April 25 & 26, 2020. Communications Academy. South Seattle Community College, Seattle, WA. <http://commacademy.org/>
- May 2. Kennewick Tailgate Swap Meet, Kennewick, WA. Details will be posted soon!
- May 3. Maple Ridge Swapmeet. Pitt Meadows, BC. <https://secure.eton.ca/rac/events/upcoming.php>
- May 9. Stanwood Camano Amateur Radio Club Flea Market and Hamfest, Stanwood Middle School, Stanwood, WA. Contact: Fred Laun, w7pig@arrl.net
- May 9. Stanwood Camano Amateur Radio Club Flea Market and Hamfest, Stanwood Middle School, Stanwood, WA. http://www.scarcwa.org/ham_fest.shtm Contact: Fred Laun, w7pig@arrl.net
- May 16 & 17. River Radio Campout. Pateros WA. Sponsored by the Okanogan County Amateur Radio Club. Free "dry" camping along the Methow River at Pateros. Always the weekend prior to Memorial Day Weekend. w7orc1@gmail.com . <http://www.w7orc.com/> . Contact Mike W7MCM, skippermike53@gmail.com . (509)689-3164.
- June 5-7. SEA-PAC Hamfest and ARRL Northwestern Division Convention. Seaside Convention Center, Seaside, Oregon. *This is an ARRL sanctioned event.* info@seapac.org . www.seapac.org/.
- **July 11, 2020. NWVRS Speed Feldschau Sale & Picnic. 9 am to noon. Abernethy Grange, Oregon City** <http://nwvrs.org/Events/events.html>
- **Oct. 10, 2020. NWVRS Fall Swap Meet. VFW Post #6057, 21510 Main St. NE, Aurora, OR.** <http://nwvrs.org/Events/events.html>

February Monthly Feature – Radios With an “A” in the Name Photography by Sonny Clutter



Dick Howard - 1926 Atwater Kent Model 35 TRF with original box.
Also shown, 1927? Gearhart-Schlueter “Selectrol” preselector (right)
and Atwater Kent playing cards



Dick Howard - Four items using Acorn tubes - US Navy & Marines TBX
transceiver, ASD5 Aircraft radio with self-destruct, 1938 National 1-10
receiver, and an unknown part - a UHF tuning strip?

G-E Beaver's "Atomic" *Alan Wetzel*



Allan Wetzel -
GE "Beaver"
AA5 with
Atom logo

Dick Howard -
Early postwar
Automac Radio
"Tom Thumb"
AC / DC with
1-volt tubes



American Bosch
Dan Howard



American Bosch Magneto Corp
Springfield Mo.
Model 5A
1931
5 tube early AC

Arvin "Rhythm Baby"
Alan Shadduck



Aviola Dan Olson



Top Left: Dan Howard -
1930 American Bosch
"Round the World"
AC set

Top Right:
Alan Shadduck -
1936 4-tube 2-band
Arvin "Rhythm Baby"

Below Left: Dan Olson -
1947 Aviola AM / Phono

Remembering Iwo Jima 75 Years Later

By Dan Howard

IWO JIMA

TO RADIO W7ILR CONFIRMING OUR 28 MC FONE ~~CW~~
QSO ON 2-2-46 AT 0940-0950 IWO JIMA TIME
UR SIGS WERE QSA 5 R 8 T - CONDX 011

W5KIO/J5

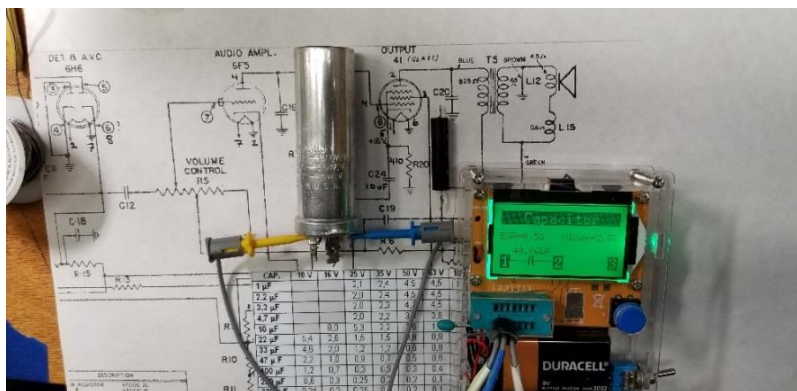
XMTR 646-807-813 FINAL - POWER 350 WATTS
MOD for 8/15 ANT Long wire RCVR J-36A -DB-20
TAKES FOR PSE QSL 73s 606 T. B. LYON
BOX 1551 VERNON, TEXAS

Shortly after returning to Bellingham following his service in the Navy, Orris Vanerstrom W7ILR began reaching out to soldiers and sailors still overseas through ham radio. This QSL card confirms his conversation with W5KIO, stationed on Iwo Jima on February 2, 1946.

This conversation between hams in Bellingham and Iwo Jima took place less than a year after the famous battle and only months after hams were allowed back on the air following the armistice. Since this is the 75th anniversary, I thought I'd offer it. I treasure this QSL card, and several that came with it, as rare historical artifacts.

Missing Pic from Sid's February Radio Repair

With Apologies to Sid Saul - Note high ESR for the bypass cap.



The Norco Brand

By Art Redman

The first Norco brand radio was simply “Norco” or “The Norco” made by the Northwestern Radio Manufacturing Company of Portland. The 5-tube three-dial set sold for \$55.00 beginning late 1924. In addition, Norco later in 1925 offered a leatherette carrying case, console cabinet and desk enclosure. Norco also offered a table cone speaker for \$32.50 and horn speaker retailing at \$25.00.

There is also a three-dial Norco Truphonic set. Many of the parts are Na-Ald, maker of sockets and dials, processed by the Alden Company of Springfield, MA. Dick Howard owns an engraved front panel for this Norco model.

The Chelsea Radio Corporation also manufactured a three dial Truphonic models 6 and S selling for \$60 containing a Truphonic Catacomb Assembly No. 306 with six sockets, Sickles radio frequency transformers, and Diamond Weave Coils. A Chelsea Truphonic set and using Na-Ald parts is the correct brand and parts to restoring a Norco Truphonic.

The Norco Model 66 was one of the last radios manufactured by the Northwestern Manufacturing Company run by Charley Austin. The Norco 66 had six tubes selling for \$225.00. The set came complete with a Philco battery eliminator, table, cone speaker, and B battery. The same package deal was also available for Gilfillan Brothers sets during 1926 from a Portland hardware store.

The Model 66 used a Na-Aid Triple No. 2173 Localized Control Unit manufactured by the Alden Manufacturing Company. The seven-tube Norco uses the quadruple, No. 2174 horizontal control unit or ganged variable capacitor. Both receivers used Sickles shielded RF Transformers.

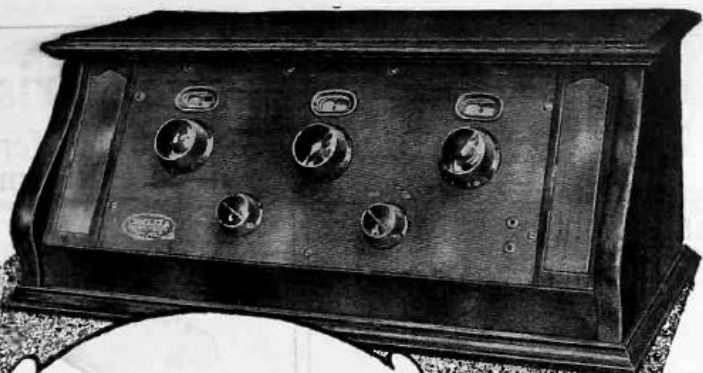
The seven-tube Norco made by Northwestern is on Sonny Clutter’s web site. The seven-tube receiver has no listed model number and has the same cabinet as the Model 66 also dating from 1926. Maybe it is a Model 77 standing for a seven-tube set. No advertizing about the seven -tube Norco set exists in the Oregonian newspaper or Radio magazine.

Sources:

“Na-Ald Products”, ad *Radio News*, November 1926, pages 546.

“A Gang Controlled Seven-Tube Receiver”, by Andreas MacGillicuddy, *Radio News*, pages 507, 609, 610.

“Sickles” ad *Radio News*, November 1926, page 576.



*Radically new Circuit
greatly increases Power
and enhances tone Quality*

The Chelsea Truphonic Six utilizes an entirely new and different system of audio amplification—a system as far in advance of that heretofore employed as the orthophonic principle in talking machines is superior to former phonograph reproduction. A power tube may be used in the last stage, thus obtaining tremendous amplification. Tone quality is stabilized while the whole tone range is increased to its full limits, enabling you to enjoy the maximum capabilities of the best loudspeaker.

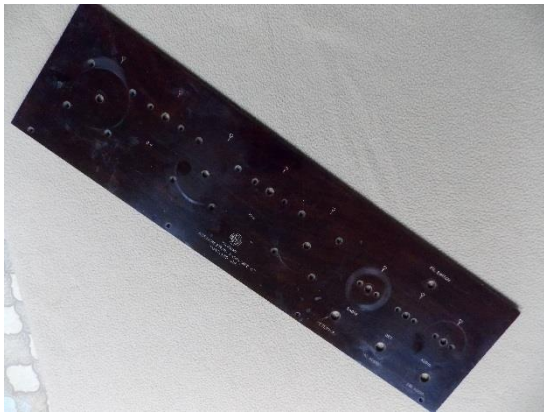
*Ask Your Dealer To Demonstrate
or Write Us Direct*

CHELSEA RADIO CO., CHELSEA, MASS.

Other Chelsea Sets \$26.00 and \$50.00—each a leader in its class. Send for details.



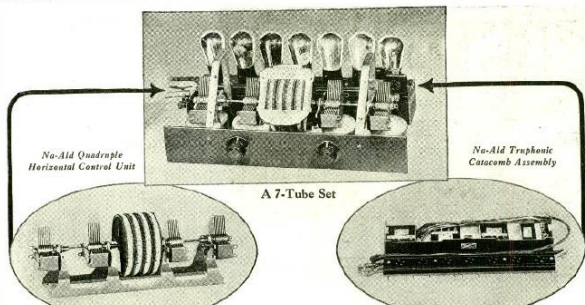
The new **CHELSEA**
Truphonic Six



Norco Telemonic panel Photo
by Dick Howard
(hi rez in email version)

Radio News for November, 1926

547



Below Left - Na-Ald
products ad from 1926

Below - Sickles RF
Transformer ad, 192

Two Na-Ald Products

Bring Ease and Rapidity to Set Building

Complete Sets—Professional in appearance and certain in results

THE Na-Ald Truphonic Catacomb assembly plus the Na-Ald Localized Control Unit permits the quick easy construction of radio sets which are professional in their appearance and certain in their results. For the seven-tube set illustrated, other parts needed are only a grid leak and condenser, any type of radio frequency coils, rheostats and a few minor fittings. Truphonic Amplification gives to these sets a quality of reproduction beautifully clear, exquisitely precise and at an exceptional volume. It is a new invention based on a new principal of amplification.

The Na-Ald Truphonic Catacomb Assembly consists of a lacquered steel box 2" high, 2 1/2" wide and for six tubes 12 1/2" long, and for seven tubes 14 1/2" long. These Truphonic Couplers, a Gang Mount Socket, an output unit for projecting loud speaker when power tube is used in last stage and cables for attaching batteries. Gang Mount Socket fits on top of box. The contacts are firm, positive and universal. The socket panel has unique wiring. There is one piece of metal for all common filament and continuous metal from plate and grid terminals to connected apparatus. This clever arrangement allows any hook-up to be used and any set layout to be employed. At the same time, short leads can go direct to the R.F. circuit, and no connections need be exposed except those to coils and condensers. Thus wiring is reduced to a minimum. The number of soldered joints vastly decreased. Time and labor cut by half. And, the result trim and smart in appearance. The entire audio frequency circuit is shielded in this small box.

The Na-Ald Localized Control Unit has all the advantages of single control without sacrificing any of the brevity and efficiency of multiple control. The condensers on a common axis are rigidly mounted on a chassis parallel to the panel. Each condenser is a separate unit which is wired as in multiple control. The tuning drums are grouped together and controlled through one opening in the panel. All can be moved together by three fingers of one hand, or each can be moved separately. No contact with panel makes possible the use of any panel material. The user of this remarkably simple tuning device is able to go from station to station as easily as turning the pages of a book.

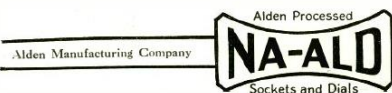
Truphonic Catacomb Assembly

No. 306 with six sockets	\$20.
No. 307 with seven sockets	22.
Truphonic Couplers, Individual	\$5.00 per stage
Truphonic Output Unit No. 301	5.00 "

Na-Ald Localized Control Unit

Double No. 2172	\$8.00
Double No. 2170	10.00
With Ticker Controls	
Triple No. 2173	10.00
Quadropole No. 2174	15.00

For further information write—



Adlen Manufacturing Company

Dept. K22, Springfield, Mass.

SICKLES

SHIELDED TUNED RADIO TRANSFORMER

The ideal coil for the Na-ald Localized Control Tuning Unit, and for Truphonic Catacomb Assembly.

Widely adaptable to all leading control units.

This transformer is compact, sturdy, sharp-tuning. Prevents both outside and local interference.

PRICE \$2.00

There are Sickles Diamond-Weave Coils for all leading circuits.

THE F. W. SICKLES CO.
136 UNION STREET
SPRINGFIELD :: MASS.

Radiolaguy's Monthly Showcase - by Sonny Clutter



March 2020 - Pittsburg Radio Supply House model S.P.2

[http://radiolaguy.com/Showcase/RadiolaguyMonthlyFeature\(3-20\).htm](http://radiolaguy.com/Showcase/RadiolaguyMonthlyFeature(3-20).htm)

C. E. "Sonny" Clutter; AKA: the RadiolaGuy

Web Site: www.radiolaguy.com Email: radiolaguy@outlook.com

Swap Shop

Ads are free and can be permanent, or 3-month, with an asterisk added each month for tracking. Contact editor to extend.

Please contact the following members to be trained in Radio Repair

Bruce Baur	503 708-4537	Milwaukee
Blake Dietze	360 944-7172	Vancouver
Mike McCrow	503 730-4639	Aloha
Sid Saul	503 869-5280	Hebo
Tompkins	360 573-3895	Vancouver

Ed

WANTED: Radios made in Oregon. I do have some to trade. Thanks in advance.
Dick Howard (503) 775-6697 dhoward27@comcast.net

For Sale: Hammarlund HQ-180 general coverage short wave receiver, 18 tube triple conversion. Plays well on all bands and in excellent condition. Asking \$165.00 or best offer. Ray Nelson 503 845-2897 <radiatoray39@gmail.com>

I'm looking for one Western Electric or perhaps one National Union 350B tube. Prefer NOS but used tested strong would be ok too. Yes I know these are rare and expensive! The tube would be used in a home brew single ended amp that I have. I have some radio tubes and lots of audio tubes for possible trade. Or if you prefer cash, that might work too! I can be reached at 541-747-2477
blueshound7189@comcast.net - Thank you for your consideration! Phil Rickel

WANTED: Austrian Minerva receiver model 388 made in 1937-1938. The model number should be on the center column on the front bakelite housing below the magic eye but if missing will be stamped on the back. Bob Krassa
bob@krassa.com or call 303-475-2824. Thanks!
(Member of the Colorado Radio Collectors Antique Radio Club) *

Want to purchase a nice clean vintage, recurrent sweep (not triggered sweep) scope such as: Heathkit; O-10, O-11, 10 -10 or 10-4105 or something similar. Need not to be in working order but must be clean and very good and restorable condition. I will pay your fair asking price if you have what I am seeking. C. E. "Sonny" Clutter; AKA: the RadiolaGuy
Email: radiolaguy@outlook.com *

I need the special probe for the RCA Oscilloscope WO-33A. The number is: RCA WG-349A. Raymond Holland, 360-989-5981 *

For Sale - B.F. Goodrich Model R459 AM
+ SW (big console) \$20
Call Robbie Robinson 503 810 0565 **

I wish to purchase a 1942 Model 985866
Portable radio as pictured. Please contact
me at 360 695-6349 or (C) 360 989-5981.
The radio is ID'd by the Model # and the
GM under the dial. - Ray Holland ***



Hello fellow radio enthusiasts,
I am looking to purchase a
1947 Learadio model 563
wood cabinet table radio as
pictured. My grandfather had
one and I've been looking for
some time. So if you have one
for sale or know of one please
let me know! Thanks, Roland
Roland Smith
<spen.smith@gmail.com>

Auction Items for March Meeting - by Pat Kagi

I've just completed the inventory for the auction for our next meeting and have 80 total items that have been graciously donated by Bill Holeman. This will be an auction open to the public with no reserves and no buyers' fees.



- Utility table
- Philco Wood mantle radio
- RCA Bakelite 45 rpm record player
- Truetone Bakelite AM/FM radio
- Admiral Portable radio
- Webster Table top phonograph
- Truetone Portable radio
- RCA Blonde stereo phonograph with speaker and record storage
- RCA Console radio
- Supply limit open-circuit volts



- HP 608D Signal generator
- Colby Instruments Programmable delay line PDL
- Spectracom 8161 Standard frequency receiver-oscillator
- Brookdeal 9503-SC Precision lock-in amplifier
- HP 8405A Voltmeter
- Sony 390AD Programmable digitizer
- Sony 390AD Programmable digitizer
- Quan-Tech 2181 Transistor noise analyzer
- HP 8405A Voltmeter
- HP 8405A Voltmeter



HP	612A	UFH signal generator
--		Power supply
Unitek	1-161	Spot welder
Integra	DWM-1800A	Dual wave meter
Canberra	4261	Series 35 Plus 0 to 5000 volts
Tektronix	62269	Wilton 352
HP	608C	UHF signal generator
Dranetz	626	Universal disturbance analyzer
Tektronix	604A	Monitor
Electro Scientific Industries	SC1000	Standard capacitor



HP	4342A	Q-meter
HP	3581A	Wave analyzer
Stoddart	NM-26T	Electromagnetic noise meter
General Radio Co	1606A	R-F Bridge
HP	236A	Telephone test oscillator
Keithley	225	Current source
Tektronix	067-0502-01	Amplitude calibration and comparator
HP	86635A	Modulation section
HP	86635A	Modulation section
HP	86635A	Modulation section



Homemade	Saw shop set up controller
Tektronix A6902A	Isolator
Yamaha PSS-460	Keyboard
Toledo 3115	Digital scale
Idlewild	Audio probes
Phelps	Transformer 110/360 volts
Avdel 727	Pop rivet gun
HP	Laptop computer
LG R410A	Portable AC
Radio Shack	Wireless FM intercom system



HP 8553B	Spectrum Analyzer
Wiltron 561	Scalar network analyzer
-- 332D	DC voltage standard
Boonton Radio Corp 250-A	RX meter
Stoddart NM-25T	Radio interference and field intensity meter
Stoddart NM-12AT	Radio interference and field intensity meter
Stoddart NM-12AT	Radio interference and field intensity meter
Stoddart NM-25T	Radio interference and field intensity meter
Boonton Radio Corp 75D	Direct Capacitance Bridge
Boonton Radio Corp 75D	Direct Capacitance Bridge



HP	302A	Wave analyzer
HP	6525A	DC power supply
HP	8412A	Phase magnitude display
HP	8746B	S-parameter test set
Tektronix	R293	Pulse generator
Guideline	9576	Microprocessor voltmeter
Guideline	9576	Microprocessor voltmeter
HP	6525A	DC power supply
Keithley	228	Voltage current source
HP	4342A	Q-meter



--		Open-circuit volts
Tektronix	1101A	Power supply
Tujitsu Denso	2895	AC section
GE	1201B	Regulated Power Supply
--		Color head timer
Calectro	DI-923	FFT test unit
DV	1000	EFD
Olympus	TF	
Apex	DT250A	Digital convertor box
HIOS	MA-60AT	DC transformer



The Way Radio Was

Entertainment and Education

DJ Music and Radio Memories

Event Planning, Logistics and Support

Dick Karman has been part of the Northwest Vintage Radio Society for four decades. He loves history, and radio!

If you have associations with other groups or events, please suggest his services to them.

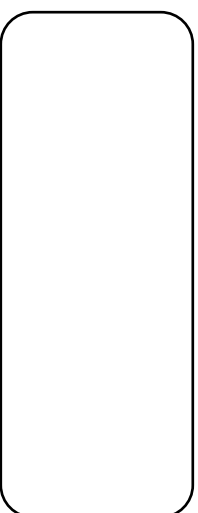
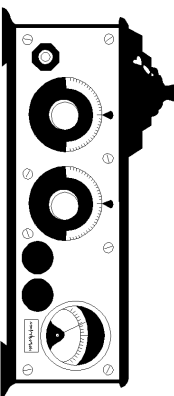
- **Entertaining** – D.J. Music/Memories
- **Educating** –Radio history & Public Speaking
- **Communicating** – Organizing Writing & Leading
- **Displays** –Radio Hardware and broadcast memorabilia



ADVERTISEMENT



NW Vintage Radio Society
P.O. Box 82379
Portland, Oregon 97282-0379



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